Build Notes/FAQ

Build Notes

This build note will help identify variations from the Official Voron V2.4 Assembly Manual as of July 18, 2023, to avoid issues changes to the official manual such as page number changes we recommend using our link to the correct version for these notes. We tried our best to capture all of the changes. Please let us know of other changes you discover via our channel #ldo_motors on the Voron Discord Server

NOTE: Due to the tight tolerances of the extrusions and roll-in t-nuts it is advisable to either test fit before assembly to identify the sides of the extrusions that fits the best or to pre-load the t-nuts into the extrusions.

PAGE 19 The brass M5 Precision Spacer are used in place of the M5 Shim. This will be for all M5 Shims in the guide unless noted.

Page 29-30 This is a good time to install the deck supports. The LDO deck panel has a 4mm nominal thickness, use deck_support_4mm instead of its 3mm counterpart. The DIN rails should be oriented front to back rather than side to side as compared to the manual. Please refer to the LDO wiring guide.

PAGE 39 Follow the Z-Stepper orientation according to the wiring guide.

PAGE 54 Remove the protective plastic film from the bed. After applying the magnetic sheet, carefully trim the holes for mounting the bolts on Page 59.

PAGE 55 SKIP The heater pad is already pre-applied. For LDO Rev. C or later kits please refer to this section in the V2.4 Rev. C Wiring Guide.

PAGE 56 SKIP The heater fuse is already pre-installed

PAGE 57 Use the M4x6 BHCS that should already be attached to the bed.

PAGE 59 Use M3x20 SHCS rather than the M3x16 SHCS since the bed and spacers are thicker

PAGE 88 Do not use the holes on the ends of the rails, use the second ones from the ends

Page 104 Use the black M5Washer instead of the M5 Shim cause it looks nicer.

PAGE 114-116 We recommend completing steps on page 115-116 then use the rubber rail stopper under the Z joints mid rail. This will allow you to set the Gantry on page 114 on the joints without the need for long zipties.

PAGE 129-130 If you are building Clockwork 2 double-check that you have the correct X-Carriage and follow the instructions in the Stealthburner manual.

PAGE 143 We recommend you insulated the inductive probe prior to installation.

PAGE 145 SKIP The kit does not use hall effect endstops

PAGE 146-147 The V2.4r 2 Kit supports the build of the Stealthburner + Clockwork 2. Follow the assembly of Stealthburner manual

1. For Rev. A and B Kits with one piece Afterburner toolhead PCB follow our guide here.
2. For Rev. C Kits with the two piece Stealthburner toolhead PCB, follow the guide here.

PAGE 149 The kit wiring differs from the manual please refer to the LDO wiring guide. The kit does not use a 5V PSU or WAGOS except for Rev. C the 2 x WAGOs connectors are used only for the heated bed.

PAGE 150 Use the LDO Beefy Raspberry Pi Mount

PAGE 152 SKIP The kit does not use a 5V PSU

PAGE 156 Use the 1.2mm AC inlets with integrated switches plug panel . Please refer to the LDO wiring guide.

PAGE 158-160 Use the LDO Z endstop printed part and PCB. See the wiring guide for your specific printer for details

1. **PAGE 159** Follow only the installation of the 5mm Shaft

PAGE 162 SKIP The kit uses the X/Y Endstop PCB board

PAGE 163 Follow only the step for the XY Endstop board

PAGE 165 SKIP The kit does not use WAGO connectors

PAGE 172 SKIP The kit does not use a 5V PSU

PAGE 174-178 Follow the instruction in the LDO wiring guide for configuring the Octopus controller board

PAGE 182-183 SKIP The kit uses a combined inlet and other changes. See the wiring guide for your specific printer for details

PAGE 186-189SKIP The kit uses UK2.5B Terminal Blocks. See the wiring guide for your specific printer for details

PAGE 190 SKIP The kit uses the Octopus to supply the 5v power for the Raspberry PI. Depending on revision of the kit it maybe either be powered by USB or a PCB power adapter.

PAGE 191 Depending on the revision of the kit please refer to the LDO wiring guide and follow the appropriate steps

PAGE 192-193 SKIP The kit uses different electrical components. See the wiring guide for your specific printer for details

PAGE 194-195 When running wires in the cable chain, it is important to keep the wires loose. Pulling the wires tight inside the cable chain will result to excessive wire fatigue and possible pre-mature wire breaks.

PAGE 196 SKIP The kit uses a toolhead PCB.For the one piece Afterburner toolhead PCB and two piece Stealthburner PCB see the wiring Toolhead PCB section and LDO Toolhead Wiring Kit

PAGE 205-209 SKIP The kit uses different electrical components. See the wiring guide for your specific printer for details

PAGE 214-216 & 220-221 Depending on the kit revision the screen instuctions will differ

1. For Rev. A please follow the manual
2. For Rev C please use The BigTreeTech touchscreen, print the mount from here and wiring here.

PAGE 234 Use the alternate Z-belt cover if you routed the LED wires through the Z-motor opening.

PAGE 250-253 & 256 SKIP Please follow our guide for Nevermore mod here

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